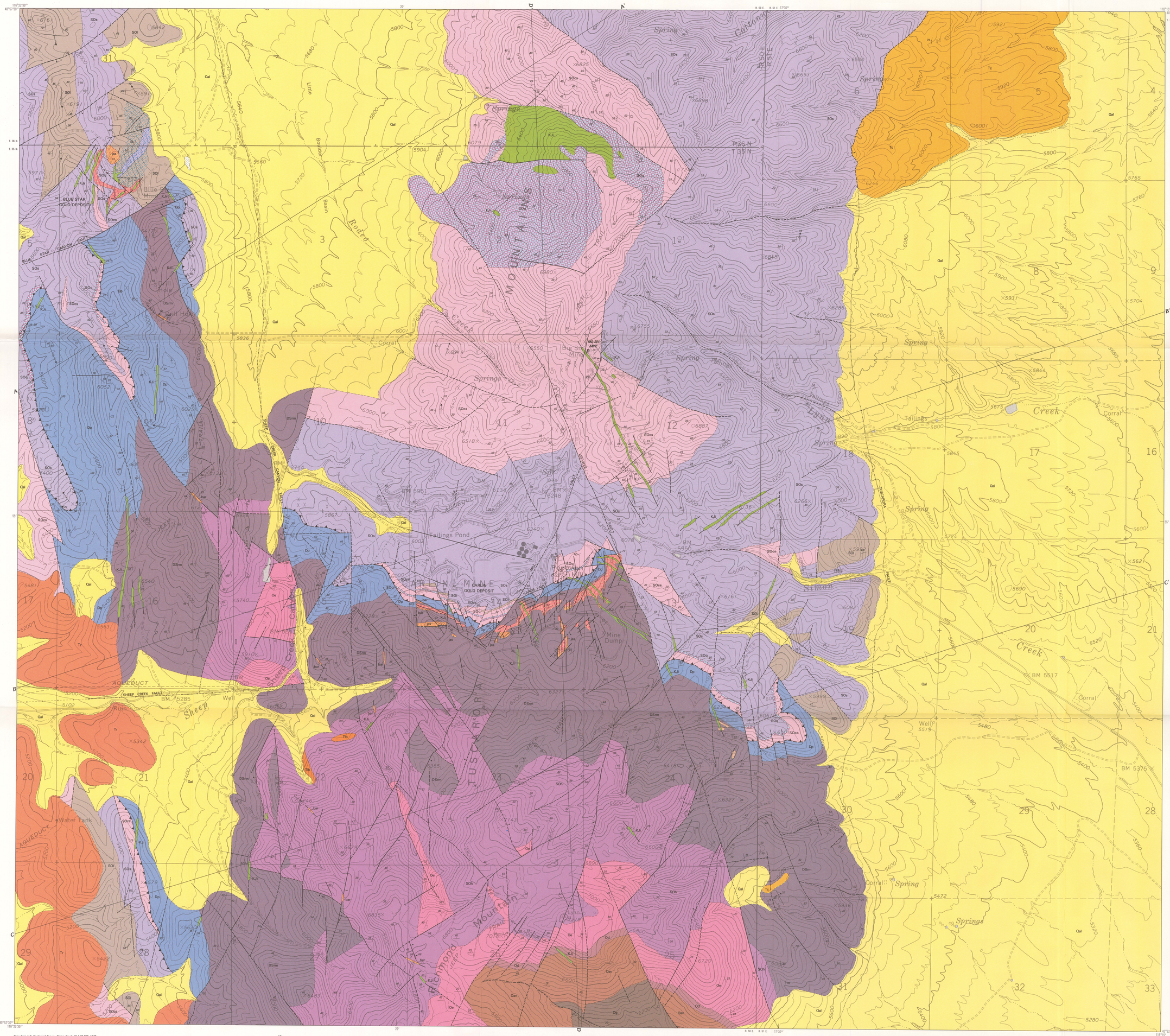


Base from U.S. Geological Survey, Rodeo Creek NE 1:24,000, 1970

APPROXIMATE MEAN DECLINATION, 1995

SCALE 1:12 000

½ 0 1 MILE

.5 0 1 KILOMETER

CONTOUR INTERVAL 40 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

NEVADA
MAP LOCATION

Geology by A. S. Radtke, Sept. 1966 to Nov. 1972 assisted by P. W. West, Newmont Exploration Ltd., 1968, and J. G. Evans, U.S. Geological Survey, 1968–71.
Geology in secs. 1 and 2, T. 35 N., R. 50 E., secs. 25 and 36, T. 36 N., R. 50 E., and secs. 5, 6, and 7, T. 35 N., R. 51 E. modified from Evans (1974)

CORRELATION OF MAP UNITS

Qal	Holocene	QUATERNARY
Tc	Pliocene	QUATERNARY
Tlb	Pliocene or Miocene	TERTIARY
Tr	Miocene	TERTIARY
bar, gold, jas	Miocene and Oligocene	TERTIARY
KJi	Early Cretaceous and Late Jurassic	CRETACEOUS AND JURASSIC

ROBERTS MOUNTAINS THRUST

UPPER PLATE (siliceous assemblage): SOcs, SOl, SOq, SOs — Early Silurian to Early Ordovician — SILURIAN AND ORDOVICIAN

LOWER PLATE (carbonate assemblage):

Dp	Late, Middle, and Early Devonian	DEVONIAN
DSrm	Early Devonian to Middle Silurian	DEVONIAN AND SILURIAN
SOh	Early Silurian to Middle Ordovician	SILURIAN AND ORDOVICIAN
Oe	Middle Ordovician	ORDOVICIAN
Od	Middle Ordovician	ORDOVICIAN
Oav	Pogonip Group: Middle, and Early Ordovician	ORDOVICIAN
Og	Pogonip Group: Middle, and Early Ordovician	ORDOVICIAN
Ꞓha	Late and Middle Cambrian	CAMBRIAN

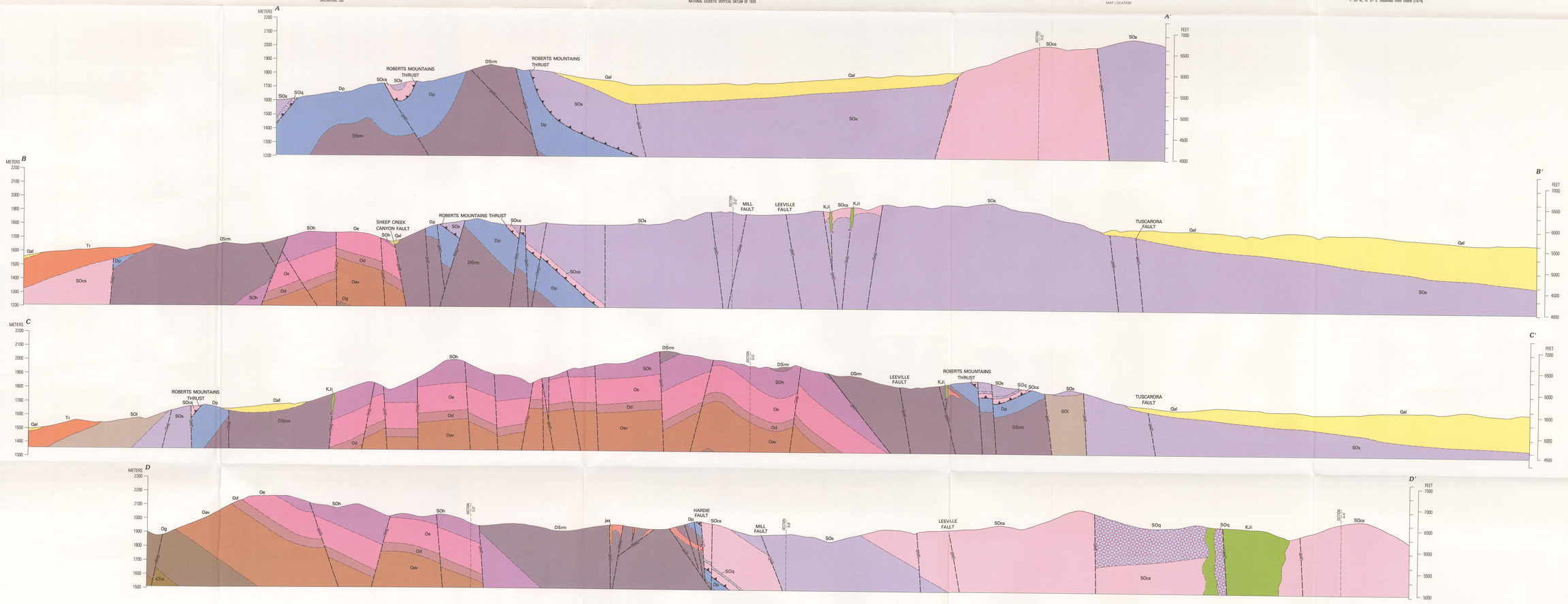
DESCRIPTION OF MAP UNITS

- Qal — ALLUVIUM
- Tc — CARLIN FORMATION OF REGNIER (1960)
- Tlb — LAKE BEDS
- Tr — RHYODACITE
- bar — BARITE VEIN
- gold — GOLD ORE
- jas — JASPEROID
- KJi — QUARTZ DIORITE, DIORITE, AND GRANODIORITE

SILICEOUS ASSEMBLAGE
- SOcs — CHERT AND SHALE
- SOl — LIMESTONE
- SOq — QUARTZITE
- SOs — SHALE

CARBONATE ASSEMBLAGE
- Dp — POPOVICH FORMATION
- DSrm — ROBERTS MOUNTAINS FORMATION
- SOh — HANSON CREEK FORMATION
- Oe — EUREKA QUARTZITE
- Od — UNNAMED DOLOMITE
- Oav — ANTELOPE VALLEY LIMESTONE
- Og — GOODWIN LIMESTONE
- Ꞓha — HAMBURG DOLOMITE—Shown on cross section only

- CONTACT—Dashed where inferred
- HIGH-ANGLE FAULT—Dashed where inferred; dotted where concealed; arrow shows dip; bar and ball on downthrown side
- THRUST FAULT—Dashed where inferred; sawteeth on side of upper plate; arrow shows dip
- ZONE OF SHEARING
- TREND AND PLUNGE OF FOLDS
  - Antiform
  - Synform
  - Horizontal fold, showing axis on fold and dip of beds
- STRIKE AND DIP OF BEDS
  - Inclined
  - Vertical
  - Overturned
- AREA OF LOW-GRADE THERMAL METAMORPHISM



GEOLOGIC MAP OF THE LYNN MINING DISTRICT, EUREKA COUNTY, NEVADA